

Fig. 1

SQ SEQUENCE 267 AA: 30778 MW; 1A28B8366E620310 CRC64;

MKAAVLTAV LFLTGSQARH FWQQDEPPQS PWDRVKDLAT VYVDVLKDSG RDYVSQFEGS
ALGKQLNLKL LDNWDSTST FSKLREQQLGP VTQEFWDNLE KETGLRQEM SKDLEEVKAK
VQPYLDDFQK KWQEEEMELR QKVEPLRAEL QEGARQKLHE LQEKLSPLGE EMRDRARAHV
DALRTHLAPY SDELQRQLAA RLEALKENG ARLAEYHAKA TEHLSTLSEK AKPALEDLRQ
GLLPVLESFK VSFLSALEEY TKKLNTQ

HUMAN
Macaque
Bovine
Pig
Dog
Rabbit
Tree shrew
Mouse
Rat
Eur. Hedgehog
Chicken
Jap. quail
Domestic duck
Rainbow trout
Brown trout
Atl. salmon
Zebrafish
Sea bream

[illegible]

ALGQOLNKLKLLDNWDTSTFSKLRQQLGPVQFEFNDNLKETTGLRQEMKDLEEVKAR
ALGQOLNKLKLLDNWDTSTFSKLRQQLGPVQFEFNDNLKETTGLRQEMKDLEEVKAR
ALGQOLNKLKLLDNWDTLSKVRQQLGPVQFEFNDNLKETTALSQRQEMKDLEEVKOK
ALGQHLNKLKLLDNWDSLGSTFKVRQQLGPVQFEFNDNLKETTALRQEMKDLEEVKOK
ALGQOLNKLKLLDNWDSLSSTVKLRQQLGPVQFEFNDNLKETTFLRQEMKDLEEVKOK
AFGQOLNKLKLLDNWDSLSSTVSKLRQQLGPVQFEFNDNLKETTGLREEMNKDLQEVOK
ALGQOLNKLKLLDNWDTLSQFKVHEHGLPVQAQFEFKLEKTDPLRREINKDLQEVOK
SLQOLNINILNLDWDTLGSFTQKQLRQLPLTRDFWNDLKEETDWRREEMNKDLQEVOK
TLGQOLNKLKLLDNWDTLSQVGRLOQLGPVQFEFNDNLKETTDLWRNEMNKDLQEVOK
ALGQOLNKLKLLDNWDTSSALIKAREQOMIAMEFWNLKEDTGLRQPTXKIDLKVEK
AVGQOLDKLKLANDLDTLSAAAKLRDMAPYKVEVRMWLKDTEALRAELTKDLEEVKE
AVGQOLDKLKLANDLDTLSAAAKLRDMPTPYREVRMWLKDTEALRAELTKDLEEVKE
AVGQOLDKLKLANDLDTLSAAAKLRDMAPYKVEVRMWLKDTEALRAELTKDLEEVKE
EY-KEYKMVLQSLDNLQOYADATSSQLAPYSFAFGTOLDTAAAVRAEMKQEDVVRTQ
EF-KEYKMVLQSLDNLQOYADATSSQLAPYSFAFGTOLDTAAAVRAEMKQEDVVRTQ
DY-KEYKMVLQSLDNLQOYADATSSQKSWPPTPRSS-APSCDATTVAERMKQEDVVRTQ
DY-BOYKLSLSBSLTKLQOYATQTSOALTPEMTTSIOLMENTKOLRREWTDVDRLSK
QY-AEFKNLQALIREMYTQYKTLQSGSPYDTSFYNTVMEVTKDTRNS.NVDLALSKS

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Jap. quail
Domestic duck
Rainbow trout
Brown trout
Atl. salmon
Zebrafish
Sea bream

[illegible]

Fig. 2a.2

HUMAN
 Macaque
 Bovine
 Pig
 Dog
 Rabbit
 Tree shrew
 Mouse
 Rat
 Eur. Hedgehog
 Chicken
 Jap. quail
 Domestic duck
 Rainbow trout
 Brown trout
 Atl. salmon
 Zebrafish
 Sea bream

DALRTHLAPYSDLRQRLAARLEALKENGARLAHYHAKATEHLSLSEKAKPALEDLRQ
 DALRTHLAPYSDLRQRLAARLEALKENGARLAHYHAKASEHLSLSEKAKPALEDLRQ
 ETLRQQLAPYSDDLRQRLTARLEALKEGGG-SLAHYHAKASEQLKALGEKAKPVLEDLRQ
 EALRQHVPYSDDLRQRMARFALKEGGG-SLAHYQAQAEQLKALGEKAKPALEDLRQ
 DALRAQLAPYSDDLRERLAARLEALKEGGGASLAHYHARASEQLSALGEKAKPALEDLRQ
 DTLRTKLAPYSNELQRLAARLESIKBGGGASLAHYHAKAREHLSVLSEKAKPALEDLRQ
 DTLRTKLAPYSEQMRKTLGARLEAIKBGGGASLAHYHAKAREHLSALGEKAKPVLEDIHQ
 DSLRTQLAPHSEQMRRESLAQRLEALKSNP--TINEYHTRAKTHLKTGEKAKPALEDLRH
 DALRAKFGLYSDQMRRESLAQRLEALKSNP--TINEYHTRAKTHLKTGEKAKPALEDLRH
 DALRDTLAPYGEARKLLQLRLQDIKAKSG-DLAEYQTKLSEHLKSPGEKAQPTLQDLRH
 EELRKNLAPYSDLRQKLSQKLEIREKGIPOASEYQAKVMEQLSNLREKMTPLVQEFRE
 EELRKNLAPYSSELQKLSQKLEIREKGIPOASEYQAKVVEQLSNLREKMTPLVQEFKE
 EELRKNLAPYSDLRQKLSQKLEIREKGIPOASEYQAKVVEQLSNLREKMTPLVQDFKE
 EETKTKLMPIVEIVRAKLTERRLEELRTLAAPYAEYKEQMIKAVGEVREKVSPLSEDFKG
 EETKAKLMPIVEIVRAKLTERRLEELRTLAAPYAEYKEQMPKAVGEVREKVGFLTNDFKG
 EETKTKLMPIVEIVRAKLTERRLEELRTLAAPYAEYKEQMPKAVGEVREKVPALSEDFKA
 EETKSKVPMVEAVRTKLTERLEDLRTMAAPYAEYKEQVLKAVEEAREKIAPHTQDLQT
 EETKAVLMPMVEIVRTKVTERRLESIREVVQVQYQYKEQMKQMYDQA-QTVD--TDALRT
 : : . : : : : : * : : : :

HUMAN
 Macaque
 Bovine
 Pig
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 Tree shrew
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 Rat
 Eur. Hedgehog
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 Rainbow trout
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 Atl. salmon
 Zebrafish
 Sea bream

GLLPVLESFKVSFLSALEEYTKKLNTQ
 GLLPVLESFKVSFLSALEEYTKKLSTQ
 GLLPVLESFKVSIILAAIDEASKKLNAQ
 GLLPVLENLKVSIILAAIDEASKKLNAQ
 GLLPVLESFKVSIILAAIDEATKKLNAQ
 GLLPVLESFKASQVNLIDEATKKLNTQ
 GLMPMWESFKTQVLNIDEAAKKLTA-
 SLMPMLETLTKAQSVIDKASETLTAQ
 GLMPVLEAWKAKIMSMIDEAKKKLNA-
 GLEPLWEGIKAGAMSMLEELGKKLNSQ
 RLTPYAENLKNRLISFLDELQKSA--
 RLTPYAENLKNRLIDLDELQKTM--
 RLTPYAENLKNRFLSILDELQKTV--
 QVGPAABQAKKLLAFYETISQAMKA-
 QVGPAABQAKKLMDFYETISQAMKA-
 RWAPPRRPSK--SSWLSTRPSARP--
 RMPEYMNVRITFAQMYETIAKAIQA-
 KITPLVEIKVIMNAIFRIIAASVTKS
 *

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Fig. 2b

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sp|P06727|AP4A_HUMAN      MFLKAVVLTALVAVAGARAEEVSADQVATVMMDYFYSQLSNNAKAEVHLOKQSELTQQLNA 60
sp|P33621|AP4A_MACFA      MFLKAVVLTALVAVTGAARAEEVSADQVATVMMDYFYSQLSNNAKAEVHLOKQSELTQQLNA 60
sp|P06728|AP4A_MOUSE      MFLKAAVLTALVAITGTTRAEEVTSQDVANVMDYFYSQLSNNAKAEVBFQKTDVTQQLST 44
sp|Q28758|AP4A_PAPAN      -----GARAEEVSADQVATVMMDYFYSQLSNNAKAEVHLOKQSELTQQLNA 60
sp|O46409|AP4A_PIG        MFLKAVVLSLALVAVTGAARAEEVNADQVATVMMDYFYSQLSGNAKAEVHLOKQSELTQQLNT 60
sp|P02651|AP4A_RAT        MFLKAVVLTALVAITQTQAEVTSQDVANVMDYFYSQLSNNAKAEVLOKQSELTQQLNT 60
                               *:***:****:*****:*****:*****:*****:*****:*****:*****:

sp|P06727|AP4A_HUMAN      LPQDKLGEVNTYAGDLQKKLVFPFATELHERLAKDSKIKKEIKKELEELRALLPHANEV 120
sp|P33621|AP4A_MACFA      LPQDKLGEVNTYAGDLQKKLVFPFATELHERLAKDSKIKKEIKKELEEVRAILLPHANEV 120
sp|P06728|AP4A_MOUSE      LPQDKLGASTYADGVHNMKLVFPVQVLSGLAKETERVKEIKKELEELDRMMHPHANKV 120
sp|Q28758|AP4A_PAPAN      LPQDKLGEVNTYAGDLQKKLVFPFATELHERLAKDSKIKKEIKKELEELDRMMHPHANKV 120
sp|O46409|AP4A_PIG        LPQDKLGEVNTYTDLQKKLVFPFATELHERLTKDSKIKKEIKKELEELRALLPHANEV 104
sp|P02651|AP4A_RAT        LPQDKLGINNTYADDLQKKLVFPFAVQLSGHLTKETERVREEIKKELEELDRMMHPHANKV 120
                               *****:***:*****:*****:*****:*****:*****:*****:*****:

sp|P06727|AP4A_HUMAN      SQKIGDNVRELQQRLEPYTDQLRTQVNTQAEQLRRQLTPYAQRMERVLRNADSLQASLR 180
sp|P33621|AP4A_MACFA      SQKIGENVRELQQRLEPYTDQLRTQVNTQTEQLRRQLTPYAQRMERVLRNADSLQTSLR 180
sp|P06728|AP4A_MOUSE      TQTTFGEMMQKLQEHLPYAVDLDQDQINTQTEQMKQLTPYIQRMTTIIKENVDNLHSTMM 180
sp|Q28758|AP4A_PAPAN      SQKIGENVRELQQRLEPYTDQLRTQVNTQTEQLRRQLTPYAQRMERVLRNADSLQTSLR 164
sp|O46409|AP4A_PIG        SQKIGDNVRELQQRLGPGPTGGLRTQVNTQVQQLQRLQKPYIARMEVLRQNIINLEASVA 180
sp|P02651|AP4A_RAT        SQMGFDNVQKLQEHLPYATDLQAQINACTQDMKRLTPYIQRMTTIDQNVENLQSSMV 180
                               *:***:*****:***:***:*****:*****:*****:*****:*****:

sp|P06727|AP4A_HUMAN      PHADELKAKIDQNVBELKGRLLTPYADEFKVKIDQTVBELRRSLAPYAQDTQEKLNHQLBG 240
sp|P33621|AP4A_MACFA      PHADELKAKIDQNVBELKERLLTPYADEFKVKIDQTVBELRRSLAPYAQDAQEKLNHQLBG 240
sp|P06728|AP4A_MOUSE      PLATNLKDFKNRMEELKGLHLPFRANELKATIDQNLDELRRSLAPLTVGVQEKLNHQBEG 240
sp|Q28758|AP4A_PAPAN      PHADELKAKIDQNVBELKGRLLTPYADEFKVKIDQTVBELRRSLAPYAQDAQEKLNHQLBG 224
sp|O46409|AP4A_PIG        PYADEFKAKIDQNVBELKGSLLPYAEELKAKIDQNVBELRRSLAPYAQDVQEKLNHQLBG 240
sp|P02651|AP4A_RAT        PFANELKEKFNQNMGLKGLTPFRANELKATIDQNLDELRRSLAPLABGVQEKLNHQBEG 240
                               * *:***:*****:*****:*****:*****:*****:*****:*****:

sp|P06727|AP4A_HUMAN      LTFQMKNABELKARISASAEELRQLRLAPLAEDVRGNLKGNTGELQKSLAELGGHLDQDV 300
sp|P33621|AP4A_MACFA      LAFQMKKNABELKARISASAEELRQLRLAPLAEDMRGNLNRGNTGELQKSLAELGGHLDQVV 300
sp|P06728|AP4A_MOUSE      LAFQMKKNABELQTKVSAKIDQLQKNLAPLVEDVQSKVKGNTGELQKSLLEDLNRQLBQVV 300
sp|Q28758|AP4A_PAPAN      LAFQMKKNABELKARISASAEELRQLRLAPLAEDMRGNLNRGNTGELQKSLAELGGHLDQVV 284
sp|O46409|AP4A_PIG        LAFQMKKNABELKAKISANADELRQLLVEAENVHGLKNGTEGLQKSLLEDLNRSHLDQVV 300
sp|P02651|AP4A_RAT        LAFQMKKNABELQTKVSTNIDQLQKNLAPLVEDVQSKLKGNTGELQKSLLEDLNRQLDQVV 300
                               *****:*****:*****:*****:*****:*****:*****:*****:

sp|P06727|AP4A_HUMAN      EEFRRRVEPYGENFNKALVQQMEQLRQKLGPAGDVEGHLSFLEKDLRDKVNSFFSTFKE 360
sp|P33621|AP4A_MACFA      EEFRLRVEPYGENFNKALVQQMEQLRQKLGPAGDVEGHLSFLEKDLRDKVNSFFSTFKE 360
sp|P06728|AP4A_MOUSE      EEFRLTVEPYGENFNKALVQQMEQLRQKLGPAGDVEGHLSFLEKDLRDKVNSFFSTFKE 360
sp|Q28758|AP4A_PAPAN      EEFRLRVEPYGENFNKALVQQMEQLRQKLGPAGDVEGHLSFLEKDLRDKVNSFFSTFKE 344
sp|O46409|AP4A_PIG        EEFRLKVEPYGETFNKALVQQVEDLRQKLGPAGDVEGHLSFLEKDLRDKVNTFFSTFKE 360
sp|P02651|AP4A_RAT        EVFRRRAVEPLQDKFNMLVQQMEKFRQQLGSDSGDVEGHLSFLEKDLRDKVNSFFSTFKE 360
                               * * * * * :*****:*****:*****:*****:*****:*****:*****:

sp|P06727|AP4A_HUMAN      KESQDKTSLSPLEL---EQQEQEQEQ-----EQ 383
sp|P33621|AP4A_MACFA      KESQDNTLSLPLEP---EQQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQ 416
sp|P06728|AP4A_MOUSE      KGSPPDQALPLPEQAQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQ 389
sp|Q28758|AP4A_PAPAN      KESQDNTLSLPLEP---EQQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQ 388
sp|O46409|AP4A_PIG        EASQGSQALPAQ---EKAQ-----EQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQEQ 377
sp|P02651|AP4A_RAT        KGSPPDQPLALPLP---EQVQEQVQEQVQ-----EQ 385
                               *:*.:***:***:

sp|P06727|AP4A_HUMAN      QOEQVQMLAPLES 396
sp|P33621|AP4A_MACFA      QOEQVQMLAPLES 429
sp|P06728|AP4A_MOUSE      -----PKPLES 395
sp|Q28758|AP4A_PAPAN      QOEQVQMLAPLES 401
sp|O46409|AP4A_PIG        -----APLEG 382
sp|P02651|AP4A_RAT        -----PKPLES 391
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Fig. 3

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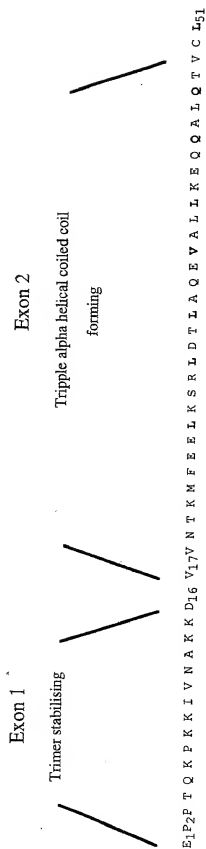


Fig. 4

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Position	d	e	f	g	a	b	c	d	e	f	g	a	b	c	d	e	f	g	a																	
Human tetranectin	V	V	N	T	K	M	F	E	E	L	K	S	R	L	D	T	L	A	Q	E	V	A	L	L	K	E	Q	Q	A	L	Q	T	V	C	L	K
Murine tetranectin	L	V	S	S	K	M	F	E	E	L	K	N	R	M	D	V	L	A	Q	E	V	A	L	L	K	E	K	Q	A	L	Q	T	V	C	L	K
Bovine cart. protein	R	R	V	K	E	K	D	G	D	L	K	T	Q	V	E	K	L	W	R	E	V	N	A	L	K	E	M	Q	A	L	Q	T	V	C	L	R
Shark cart. protein	S	K	S	G	K	G	K	D	D	L	R	N	E	I	D	K	L	W	R	E	V	N	S	L	K	E	M	Q	A	L	Q	T	V	C	L	K
Consensus	L											h _y	L	E	V									L	K	E	Q	A	L	Q	T	V	C	L		

Fig. 6

J02111-201726660

pT7 HsUb1fx Cys-Apo A1

pBR328- (PvuII) -GATCTCGATCCGCGAATTAATACGATACACTATAGGAGACCAACAGGTTTCCCTCTAGAAATAAATTTGTTTAACTTT
 T7 promoter
 M G S H H H H H H H G S Q I F V K T L T G K T I T L
 AAGAGGAGATATACATATATGGGATCATCACCATCACCATCAGGATCTTTGTAAGACCTTCATCTGCGAATACATCACCCTTG
 Nde I
 E V E P S D T I E N V K A K I Q D K E G I P P D Q Q R L I F A
 AGGTGAGCCGAGTGACACATTGAGATGTCAAGCCAAATTCAGACAGAGGAGGTATCCACTGACACAGCAGGTCTGATATTGCGG
 G K Q L E D G R T L S D Y N I Q K E S T L H L V L R L R G G S
 GCMAACAGCTGGAAGTGGAGCTACTTTGTCTGACTCAATATCAAAAGAGGTACTCTTCACTTGTGTGAGACTTCGTGCTGATCCA
 Bam HI
 TCGAGGGTATGGGTGATGATGATgaacccccccagagccctggggtcagtgaaagcctggccactgtgctacgtggtctcaagacagcggcagagac
 I E G R G G C D E P P Q S P W D R V K D L A T V Y V D V L K D S G R D
 tatgtgtccagttgaaggctcgctctgggaacacagctaaaccttaagctcttgacaactgggacagctgacccctccactcagcaagctg
 Y V S Q F E G S A L G K Q L N L K L D L N W D S V T S T F S K L
 cgcgaacagctcgccctgtgacccagaggttctgtgataacctggaaagagacagagggcccttgaggcaggagatgagcaaggtatctggagag
 R E Q L G P V T Q E F W D N L E K E T E G L R Q E M S K D L E E
 gtgaaggccadggtgacgacctactgacgacttcagaagaagtggtcaggagagtgagctctaccgccagaaggtggagcgtcgcgca
 V K A K V Q P Y L D D F Q K K W E E M E L Y R Q K V E P L R A
 gagctccaagaggcgcgcgcagagctgcacgagatgcagagaagctgagccactgggcaggagatgcgcagccgcgcgcgcctcatgtg
 E L Q E A R Q K L H E L Q E K L S P L G E M R D R A R A H V
 gacgcgtgcacgcatctgcccctacagacagctgcgcagcgtctggccgcgcgtcttgaggtctctcaaggagaacgcgcgcgcgcaga
 D A L R T H L A P Y S D E L R Q R L A R L E A L K E N G G A R
 ctggccgagtaccacgcgaagccaccagcactctgagcagctcagcagaagcgcgcgcgtctcgagaccccgccaaagcctgtctgcc
 L A E Y H A K A T E H L S T L S E K A K P A L E D L R G L L P
 gtgtggagagcttcaaggtcagctctcttgagcgtctctcagagagctacactaagaagctcaacaccagTAAAGCATGCAAGCTTGAAATCCGATCC
 V L E S F K V S F L S A L E Y T K K L N T Q stop SphI HindIII EcoRI
 GCGCTCTACTCAACAGCCGAAGGAGCTGAGTTGGCTCCCTGCCACCGCTGAGCTGAGCAANTAACTAGCATACCCCTCTG
 CCACCGCTGTGGGCGCTCTTAACCGGCTCTTAGGGGCTTTTTCGTGAAGAGGAGAACTAATCCGAT- (EcoRV) -pBR328.

Fig. 7

pT7H6 Trip-A-Apo A1 - Amp^r.

pBR328 - (PvuII) - GATCTCGATCCCGGAATTAATACGATACACTATAGGAGGACCAACACGGTTTCCTCTAGAAATAATTTTGTTTTAACTTTTAAAGAGAGAT
 M G S H H H H G S I Q G R S P G T E P P T Q K P K K I V N A K K
 ATACATATGGGATCGCATCCACATCACCATCCAGGATCGATCCAGGTAGCTCTCTGTACCGAGCCACCAACCCAGAGACCCAGAGAGATTGTAAATGCCAGAAA
 D V V N T K M F E L K S R L D T L A Q E V A L L K E Q Q A L O T V S L
 GATTTTGTACACAAAGATTTTGAAGAGCTCAAGACGCTGTGACACCTCGCCACGAGGTGGCCCTGTGAGGACGACAGCCCTCGCAGAGCGGTCTCCCTG
 Bam HI
 AAGGGATCCGATgaacccccccagagccctggagatcgagtgaaaggacctggccactgtgtacgtggatgtgtctcaaaagacagcgccagagac
 K G S D E P P Q S P W D R V K D L A T V Y V D V L K D S G R D
 tatgtgtccagtttgaaggtccctctgggaaacacagctaaaccttgacaaactgggacagcgtgacctccacttcagcaagctg
 Y V S P E G S A L G K Q L N L K L D L D N W D S V T S T F S K L
 cgcgaagctcgccctgtgacccagaggttctggatataacctggaaaagagacagagggccctgaggcaggagatgagcaagatctgtgaggag
 R E Q L G P V T Q E F W D N L E K E T E G L R Q E M S K D L E E
 gtgaaggccaaggtgcagccctactctgcagactctcagaaaggtggcaggagagatggagctctaccgcaagaggtggagcgtctgcgcga
 V K A K V Q P Y L D D F Q K W Q E E M E L Y R Q K V E P L R A
 gagctccaagagggcgcgccgaagctgcacagctgcgaagaagctgagccacttggcgagagatgcygcagccgcgcgcgcgcctatgtg
 E L Q E G A R Q K L H E L Q E K L S P L G E E M R D R A R A H V
 gacgcgtgcgcagatctggcccccacagacagctgacgtgcgcgcgtctggccgcgcgtctgaggctctcaaggagacagcgccgcgcagaga
 D A L R T H L A P Y S D E L R Q R L A R L E A L K E N G G A R
 ctgtggcggatctaccacccaagggccacagcactctgagacacgtctcagcgaagggccacgcgcgtctgagagacctccgcgaagggcctgtgccc
 L A E Y H A K A T E H L S T L S E K A K P A L E D L R Q G L P
 gtgctggagacntcaaggttcagcttctgagcgtctctcgagagtgatcactaagaagctcaacacccagctTAATAGCTTGAATTCGATCCGGCTGCTAA
 V L E S F K V S P L S A L E E Y T K K L N T Q STOP HindIII EcoRI

CAAGCCCGAAGGAGCTGAGTGGCTGGCTGCCACCGCTGAGCAATACCTAGCATACCCCTCTGCCACCGCTGTGGGGCCCTCTAAACGGGTCTTGAGGGG
 TTTTTCGTGAAGGAGGAATATATCCGAT - (EcoRV) - pBR328.

pT7 H6Fx Cys- λ po A1

pBR328- (PvuII) -GATCTCGATCCGCGAAATTAATACATACATATAGGGAGACCAACGTTTCCCTTAGAATAATTTTGTTTAACTTTAAGAGGAGATATA

T7 promoter

M G S H H H H H H G S I E G R
 CATATCGGATCGCATCACCATCACATCACGATCCATCGAGGTAGG
 Nde I
 Bam HI

GGTGGATGTGatgaacccccccagaccctgggacgtgaaggacctggccactgtgtacgtggatgtgtctcaaaagacagcgcgacagagac
 G G C D E P P Q S P W D R V K D L A T V Y V D V L K D S G R D
 tatgtgtccaggtttgaaggctccgcttgggaaacagctaaacctgaactcctttgacaactgggacagcgtgacctccaccttcagcaagctg
 Y V S Q F E G S A L G K Q L N L K L L D N W D S V T S T F S K L
 cgcgaacagctcggcctgtgacccagagttctggataacctggaaaaggagacagagggcctgaggcagagatgagcaaggtatctggaggag
 R E Q L G P V T Q E F W D N L E K E T E G L R Q E M S K D L E E
 gtgaaggccaaggtgcagccctacctgacgacttcagaagaagtggcaggagagatggagctctaccgcagaaggtggagccgctgcgcga
 V K A K V Q P Y L D D F Q K K W Q E E M E L Y R Q K V E P L R A
 gagctccaagagggcgcgccagaagctgcacagctcaagagaagctgagccactggcgaggagatgcgacccgcgcgcgcgcctatgtg
 E L Q E G A R Q K L H E L Q E K L S P L G E E M R D R A R A H V
 gacgcgtgcgcagcatctggccccctacagcagcagctgcgcagcgttggccgcgcgcctgaggtctcaaggagaacgcgcgcgcaga
 D A L R T H L A P Y S D E L R Q R L A R L E A L K E N G G A R
 ctggccgagtagccacagccacagcatctgagcagctcagcgaagcgaagccgcgcctcagaggacctccgccaaagcctgctgccc
 L A E Y H A K A T E H L S T L S E K A K P A L E D L R Q G L L P
 gtgctggagagcttcaaggtcagcttctgagcgtctcagagtagctacactaagaagctcaacaccactgTAAGCATGCACGTTGAATTCGATCC
 V L E S F K V S F L S A L E E Y T K K L N T Q STOP Sphi HindIII EcoRI

GGCTGCTAACAAAGCCGAAAGAAAGCTGAGTTGGCTGCTGCCACCGCTGAGCTGAGCAATAACTAGCATAAACCCCTCTG

CCACCGCTGTGGGCCCTCTAAACGGGCTCTTGAGGGGTTTTTGTGCTGGAAGAGGAACCTATATCCGAT-(EcoRV)-pBR328.

pT7H6 Trip-A-Apo A1 K9A K15A - Amp^R.

pBR328 - (PvuII) - GATCTCGATCCCGCGAAATATATACATATACGATATAGGGAGACACACACGGTTCCCTCTAGATAATATTTTGTTTTAACTTTAAGAGGAGGAGAT
 T7 promoter
 M G S H H H H H G S I Q R S P G T P T Q K P K A I V N A K A
 ATATATATATGAGATCGATACCATACCATCGATTCGATTCAGGTGAGATCTCTGGTATCCGAGCCACACCCAGAGAGCCCAAGCGGATTTGTAATATGCCAAGGACA
 D V V N T K M F E E L K S R L D T L A Q E V A L L K E Q Q A L Q T V S L
 GATGTTTGACACCAAGATGTTTGAGGCGCTCGAAGCGGCTGTGCACCCCTGGCCCAAGAGGTGGCCCTCTGAAGGAGCGACAGGCCCTCGAGACCGGTCTCCCTCGT
 Bam HI
 CAAAGGAGATCCGATGataacccccccagagccctgggatcgatgaggaagacctggccactgtgtactgtggtatgctctcaaaagacagcgcgagagac
 K G S D E P P Q S P W R V K D L A T V Y V D V L K D S G R D
 tatgtgtccagctttgaagcttcgccttgggaaaaacagctaaaccttaagctctctgacaactggacagcagtgactcaacctcaacacctcaagcaagctg
 Y V S Q F E G S A L G K L K L L K L L D N W S T T S C T F S K L
 cgcgaacagctcgccctgtgaccacagagttcttggtataacctggaaagagacagacagcgccctgaggcgaggatgagcaaggtactctggaggag
 R E Q L G P V T C G E F W D N L N L E K E T E G L R Q E M S K D L E E E
 gtgtaggcgaaggtgcagccctactgtgacgactctcaagaaagctgcagagagatgagctctaccgcgaaggtgagcgtgcgtgcgcga
 V K A K V P Y L D D F Q K K W Q E E M E L Y R Q K V E P L R A
 gagctccaagagcgcgccgcagaaagctgcagcagctgcgaagagctgacggccactgggcgagagatgcgcgacgcgcgcgcgcgcctatgtg
 T L Q E G A R Q K L H E L Q E K L S P L G E E M R D R A R A H V
 gagcgcgtgcgcacgcatctggccccctacagacagcagctgcgcagcgttgccgcgcgttgagctctcaagagaaacgcgcgcgcgcgcga
 D L A R T H L A P S D E R L R Q L A K L E A L K E A N G G G A R
 tlggcgcgattaccgcgcaagccacacgacatctgacgcgctcagcagagaagcgaacgcgcgcgtcgcaggaactgcgcgaagcgcgtctgcgc
 L A E Y H A K A T E H L S T L S E E K A K P A L E D L R Q G L P
 gtgctgtagagagcttcgaagtcagctctctgagcgtctctgagagtagcacatgaagctcaacaccagTATAATAGCTTGATTCGATCCGAGCGGTCTGTA
 T7 promoter
 V A A A G C C C G A A G G A G C T G A G T T G G C T C C T C C A C C A C C T G A G C A T A A C C C T C T C C C A C C G C T G T G G G G C C T C T A A A C G G G T C T T G A G G G
 TTTTGTTCCTGAAAGAGGAGACTATATACCTGAT - (EcoRV) - pBR328.
 TTTTGTTCCTGAAAGAGGAGACTATATACCTGAT - (EcoRV) - pBR328.

Fig. 10b

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pT_{H6} Trip-A-Fn-Apo A1 - Amp^r.

PBR328 - (PvuII) - GATCTCGATCCCGGGAATTAATACGATACACATATAGGGAGACCAACACGGTTTCCTCTAGAAATAATTTTGTTTAACTTTAAGAAGGAGAT
 ATACATATGGGATCGCATCACCATCACCATTACCGGTAGTGTGTAGTCAATCCAGGGTATCTCTCGTATCCAGGACCAACCAAGCCCAAGAAGATGTGTAATATGCC
 K K D V V N T K M F E E L K S R L D T L A Q E V A L L K E Q O A L Q T V S L
 aAGAAGATGTTGTGAACACAAAGATGTTGAGGAGCTCAAGAGCCGTTCTGGACACCTTGCCCCAGGAGGTGGCCCTGTGTAAGAGACGACGAGGCCCTGCAGACGCTCTCCCTG
 Bam HI
 AAGGATCTCGGGTcatgatgaacccccccagccctgggatcgagtgaaggacctggccactgtgtacgtggatgtgctcaagacacgcygcagagac
 K G S s g h D E P P Q S P W D R V K D L A T V Y V D V L K D S G R D
 tatgtgtccceagtttgaaggtccgccttgggaacacagctaaacctaaagctcttgacaaactggacagcggtgacctccacttccagcaagctg
 Y V S Q F E G S A L G K Q L N L K L L D N W D S V T S T F S K L
 cgcgaacagctcggccctgtgaccaggagttctggataacctggaaaggagacagaggcctgaggcagagagatgagcaaggatctctggaggag
 R E Q L G P V T Q E F W D N L E K E T E G L R Q E M S K D L E E
 gtgaaggccaaggtgcagccctacctggacgacttccagagaagtggcaggaggagatggagctctacgcgcagaaggtggagccgctggcgca
 V K A K V Q P Y L D D F Q K K W Q E E M E L Y R Q K V E P L R A
 gagctccaaggaggcgcgcagaaagctgcagcagctgcaagagaagctgagccactggcgagagatgcgcaccgcgcgcgcgcctatgtg
 E L Q E G A R Q K L H E L Q E K L S P L G E E M R D R A R A H V
 gacgcgctgcgcagcatctggccctctacagcagcagctgcgcagcgcgttggccgcgcgccttgaggctctcaaggagaaacgcgcgcgcaga
 D A L R T H L A P Y S D E L R Q R L A R A L E K E N G G A R
 ctggcgcgagtaccacgcgaagccacagcagcatctgagcagctcagcagaggaagcccaagccgcgctcyaggacctccgccaagcctgtgtgcc
 L A E Y H A K A T E H L S T L S E K A K P A L E D L R Q G L L P
 gtgctggagagcttcaaggtcagcttctgagcgtctcgaggagatcacactaagaagctcaacccccagTAAATAGCTTGAATTCGATCCGGCTGCTAA
 V L E S F K V S F L S A L E E Y T K K L N T Q STOP HindIII EcoRI
 CAAAGCCGAAAGGAGAGCTGAGTGGCTGCTCCGACCGCTGAGCTGAGCAGTAACCTAGCATACACCTTGCACCGCTGTGGGGGCTCTAAACGGGTCTTGGGGG
 TTTTTCGTGCAAGGAGGAACATAATTCGAT - (EcoRV) - pBR328.

Fig. 10c

p7H6 Trip-A-Fn-Apo Al-final - Amp^r.

pBR328 - (PvuII) - GATCTCGATCCCGGAATATATACGATACATATAGGAGACCAACACGGTTTCCTCTAGAAATPATTTTGTTTACTTTTAAGAGGAGAT
 T7 promoter
 M G S H H H H H H H G S G S I Q G R S P G T E P P T Q K P K K I V N A
 ATACATATGGGATCGCATCACCATCACCATCAAGGTAGTGGTAGTGCATCAATCCAGGGTAGATCTCTGTGTACCGAGCCACCAACCCAGAGCCCAAGAGATTTGTAATGCC
 Bgl II Kpn I
 K K D V V N T K M F E E L K S R L D T L A Q E V A L L K E Q Q A L Q T V S L
 aGAAAGATGTTGTGAAACCAAGATGTTTAGGAGCTCAAGAGCCCTTGGACACCCCTGGCCRCGAGGTGGCCCTGCTGAGAGACGACGAGCCCTGACAGCGTCTCCCTG
 Bam HI
 AAGGGAACCTCGGATCAGATGAACCCCGAGCCCTGGATCGAGTGAAGGACCTGGCCACTGTGTACGTGGTGTCTCAAGACACAGCGGAGAGAC
 K G T s g q D E P P Q S P W D R V K D L A T V Y V D V L K D S G R D
 tatgtgccagtttgaaggtccgcttgggaaacagctaaacttaagctctcttgacaactgggacagcgtgaactccacttcagcaagctg
 Y V S Q F E G S A L G K K L N K L D N W D S V T S T F S K L
 cgcgaacagctcgccctgtgacccagagttctggataacctggaaaggagacagagggcctgaggcaggagatgagcaagagatctggaggag
 R E Q L G P V T Q E F W D N L E K E T E G L R Q E M S K D L E E
 gtgaaggccaaggtgcagccctacctggacgacttcagaagaagtggcaggaggagatggactctaccgccagaaggtggagccgctggcgca
 V K A K V Q P Y L D D F Q K K W E E M E L Y R Q K V E P L R A
 gagctccaagaggcgccgacgaagctgcacgagctgcaagagagctgagccactggcgaggagatgcgacccgcgcgccgcccattgtg
 gagcgctggcagcatctggccctacagcagcagctgcccagcgtctggccgcgcccttcagggagagcttcagggagaaacggcgccagga
 D A L R T H L A P Y S D E L R Q R L A R L E A L K E N G G A R
 ctggccgagttaccacgcaaggccacgagatctgacagcgtcagcagaggaagcccgctcagggacctccgccaaggcctgtgtgccc
 L A E Y H A K A T E H L S T L S E K A K P A L E D L R Q G L L P
 gtgctggagagcttcaaggtcagcttctgagcgctctcgaggaggtacactaagaagctcaacccccagTAATAAGCTTAAITTCGATCCGGCTGCTAA
 V L E S F K V S F L S A L E Y T K K L N T Q STOP HindIII EcoRI
 CAAAGCCCAAGAGGAGCTGAGTTGGCTGCTGTCACACCGCTGAGCATACCCCTTGCACCGCTGTGGGGGCTCTTAAACGGGCTCTTGAAGGG
 TTTTTCCTGCAAGAGGAACTATATCCGAT - (EcoRV) - pBR328.

10E111-20178660

pBR32+ (PvuII) - GATCTCGATCCCGGAAATTAATACGATACACTATRAGGGAGACCCAAACAGTTTCCCTCTAGAAAATAATTTGTTAACTTAAGAAAGGAGAT

77 promoter

M G S H H H H G S G S I Q G R S P G T E P P T Q K P K A I V N A

ATACATATGGGATCGCATCACCATCACTCAGGTGTGTGTAGTGTGATCATCTGGTACCGAGCCACCAACCCAGAGCCGCAATTTGTAATATCC

K A D V V N T K M F E L K S R L D T L A Q E V A L L K E Q Q A L Q T V S L

AGGCGATGTGTTGAGACCAAGAATGTTTGGAGAGCTCAAGAGCGGTGTGGACACCTCGCCAGAGGTGGCTGCTGAAAGGAGCAGCAGGCCCTGCAGACGGTCTCCCTCGT

Bam HI

AAGGGAACCTCGGATCAGGATGAACCCCCCAGAGCCCTGGGATCAGTGAAGGACCTGGCCACTGTCACTGGATGTCTCAAGAGCAGCGGCGAGAG

K G T S g d E P P Q S P W D R V K D L A T V Y V D L K D S G R D

tatgtgtccagttttgaagcttcgccttgggaaaacagctaaacctaaagctccttgacaactggagacagctccactccactcgaacaagt

Y V S Q F E G S A L G K Q L N L K L D N W D S V T S T F S K L

cgcaacagctcggcccttgaccacaggtttgggataacctggaaaaggagacaggggcttggcaggagagtggcaaggaattctggagag

RC E Q L G P V T Q E F W D N L E K E T E G L R Q E M S K D L E E

gtgaaggccaagtgacgccttaactggacagacttcagaagaagtggcaggagagatggaggtctaccgcgcgtgcgcgcga

V K A K V Q Y L D D F Q K W Q E E M E L Y R Q K V E P L R A

ggagctccaagaaggcgccgacagaagctgcacagagctgcaagaagctgagccactggcaggagatgcgcacgcgcgcgcgcacatgtg

E L Q E G A R Q K L H E L Q E K L S P L G E E M R D R A R A H V

ggacagctgcgcagctatggccctacagcagagctgcgcacagcttggcgcgcgccttgaggtctcaaggagaaagcgcgcgccaga

D A L R T H L A P Y S D E L R Q R L A R L E A L K E N G G A R R

ctggccgagttaccagcaagggcaccagagcatcttgacacagctcagcgagaaggcaccgcgcgtcgagagacctcgcgcagagctgtccc

L A E Y H A K A T E H L S T L S E K A K P A L E D L R Q G L P

gtgtggagagctcaaggtcagcttcctgagagctctcgagagtagcataaagaactcaacaccagTAAATAGACTTGAAATCCGATCCGGCTGTCAA

V L E S F K V S L A L E E Y T K K L N T Q STOP HindIII EcoRI

TAATAGCCCGAAGAGAGCTGAGTGTGGCTCTGCCACCGTAGCTGAGCAATACAGCAACCCCTCTGCCACCGCTGTGGCGCTCTTAACAGGGCTCTTGAGGGG

TTTGTCTGCTGAAGAGAGCAATATCTCCGAT - pBR32+

Fig. 10e

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pT/H6 (GS) 3 Trip-A-Tn-Apo A1 Amp^r.

pBR328 - (PvuII) - GATCTCGATCCCGGAATTAATTAACATACATATPAGGAGGACACACAGGTTCCTCTAGAAATAATTTTGTTTAACTTTAAGNAGAGAT
 T7 promoter
 M G S H H H H H G S G S G S I Q G R S P G T E P T Q K P K K I V N A
 ATATCATATGGGATCGCATCACCATCACCATCAGCGTAGTGATGGATCAATCCAGGTAGATCTCTCGTAGCCAGCCACCACCCAGAAGCCCAAGAAGATTGTAAATGCC
 Bgl II Kpn I
 K K D V V N T K M F E E L K S R L D T L A Q E V A L L K E Q Q A L Q T V S L
 aAGAAAGATGTTGTGAACACAAAGATGTTTGGAGGACTCAAGAGCGCTGTGGACACCCCTGGCCAGAGAGTGCCCTGCTGAAGAGCAGACAGGCCCTGCGACGCGTCTCCCTG
 Bam HI
 AAGGGATCCCAAGGTGCACATGAAGGAACCCGCCAGAGCCCTGGGATCGAGTGAAGGACCTGGCCACTGTGCTGATGCTGCTCAAGACAGCGGC
 K G S K V H M K D E P P Q S P W D R V K D L A T V Y V D V L K D S G
 agagactatgtgtcccaggttgacgttgggaaacacagctaaacactgacaaactccttgacaaactgggacagcgtgacctccacttcagcaagctg
 R D Y V S Q F E G S A L G K Q L N L K L L D N W D S V T S T F S K L
 cgcgaacagctcggccctgtgacccagagttctgggataacctggaaaggagacagaggccctgagcagagagatgagcaaggatctctggaggag
 R E Q L G P V T Q E F W D N L E K E T E G L R Q E M S K D L E E
 gtgaaggccaaggtgcagccctacctgtgacgacttcagaaagagtggcagagagatggagctctaccgccagaaggtggagccgtgcgcga
 V K A K V Q P Y L D D F Q K K W E E M E L Y R Q K V E P L R A
 gagctccagaaggggcgcgcacaaagctgcacagctgcgaagagctgggacccactgggcgagagatgcgcgaccgcgcgcgcgcctatgtg
 L E L Q E A R Q K L H E L Q E K S P L G E M R D R A R A H V
 gacgcgtgcgcacgcatctggccctctacagcagcagctgcgcgcagcgttggccgcgcgttggagctctcaaggagaacgcgcgcgcaga
 D A L R T H L A P Y S D E L R Q L A A R L E A L K E N G G A R
 ctggccgagtagtaccacgcgaagccaccagcatctgagcagctcagcgagagagccagccgcgcgtcgagagactccgcgaagcctgcgtgcgcc
 L A E Y H A K A T E H L T L S E K A K P A L E D L R Q G L L P
 gtctggagagcttcaaggtcagcttctcagcgcgtctcgaggagtagctacactaagaagctcaacacccacagTAAATAGCTTGAATTCGATCCGGCTCTAA
 V L E S F K V S P L S A L E E Y T K K L N T Q STOP HindIII EcoRI
 CAAGCCCCGAAGAAGCTGTGCTCCGCCCGCTGAGCTAGCAATACCTAGCATACCCCTCTGCCACCGCTGTGGGGCTCTTAACGGGTCTTAGGGG
 TTTTTCGTGAAGGAGGAATATATCCGAT - (EcoRV) -pBR328.

pT7H6 Trip-A-Tn-Apo Al-final - Amp^R.

[illegible]

pT^{H6} Trip-A-Tn-Apo A1 final K9AK15A- Amp^r.

pBR328- (PvuII) -GATCTCGATCCCGCAAAATTAAATACGATACACTATATAGGAGACGACAAACGGTTTCCTCTAGAAATAAATTTGTTTAACTTTTACAGAGAGAT
T7 promoter
M G S H H H H H G S G S I Q G R S P G T E P P T Q K P K A I V N A
ATACATATGGGATCGCATCACCATCACCCTACCGGTAGTGGTAGTGATCAATCCAGGGTAGATCTCTGTACGAGCACCACCAAGCCCAAGCGCATTTGTAATGCC
Bgl II Kpn I
K A D V V N T K M F E L K S R L D T L A Q E V A L L K E Q Q A L Q T V S L
AAGCGAGATGTTGTGAAACACAAGATGTTTGAAGAGCTCAAGAGCCCTGTGCACACCCCTGGCCAGAGGTGGCCCTCTGAAAGGAGCAGAGGCCCTTGCACACGGTCTCCCTG
Bam HI
AAGGACCAACAGTTCACATGAAGGAACCCCCCAGAGCCCTGGATCGAGTGAAGGACCTGGCCACTGTGAAGTGGATGTCTCAAGACAGCGGC
K G T K V H M K D E P P Q S P W D R V K D L A T V Y V D V L K D S G
agagactatgtctccaggttcgacctgggaaacagctaaactaaactccttgacaactgggacagcgtgacctccaccttcagcaagctg
R D Y V S G F E G S A L G K Q L N L K L L D N W D S V S T F S K L
cgcgaacagctggccctgtgaccagaggtctctgggataacctggaagagagcagagggcctgagggcggagatgagcaaggtatctggaggag
R E Q L G P V T Q E F W D N L E K E T E G L R E M S K D L E E
gtgaaggccaaggtgcagccctacctggcagacttccagaagaagtggcagagagatgagctctaccgccagaaggtggagccgtgcgcgca
V K A K V Q P Y L D D F Q K K W Q E E M E L Y R Q K V E P L R A
gagctccaagagggcgcgcgcagagctgcacagctgcaagagaagctgacccactgggcggggagatgcgcgaccgcgcgcgcccatgtg
E L Q E G A R Q K L H E L Q E K L S P L E G E M R D R A R A H V
gagcgcgtgcgcacgcatctggccctacagcagcagctgcgcagcgttggccgcgcgccttgaggtctcctcaagagaacgcgcgcgcgcaga
D A L R T H L A P Y S D E L R Q R L A R L E A L K E N G G A R
ctggccgagttaccacgcgaagccaccgcagcatctgagcagctcagcgaagcgaagccgcgcgcctcgagacctccgccaagggcctgtgtgcc
L A E Y H A K A T E H L S T L S E K A K P A L E D L R Q G L P
gtgctggagagcttcaagtcagcttctgagcgtctctcagaggtacactaagaagctcaacacccagTAATAGCTTGAAITCCGATCCGGCTCTAA
V L S F K V S F L S A L E E Y T K K L N T Q STOP HindIII EcoRI
CAAAAGCCGAAGAAGAGTGAAGTGGCTGCTGCCACCGCTGAGCTGAGCAATACCTACCATACCCCTTGTCCACCGCTGTGGGGCCCTCTAAACCGGCTTTTGAGGGG
TTTTTTTCTGTAAGGAGGAACTATATCCGAT- (BcoRV) -pBR328.

pBR328 - (PvuII) - GATCTTCGATCCGCGAATTAAATACATACACTATATGGGAGACCAACAGCTTCCCTCTAGAAATAATTTGTTTAACTTTAAGAAAGAGAT
 T7 promoter
 M G S H H H H G S I Q G R G V D S G N D V T D I A D D G C P K P E
 ATACATATGGGATCGCATCACCATCACCATCGGATGATCCAGGATAGAGTGTGGactcaggcaatgatgtcacgatatcgcagatcagcgtaccggaagcccccagag
 attgcacatggctatgtggagcactcggcttcgctaccagctgaagaactactacaactgtgcagaaggagatggagtgatatacaccttaaacatgagaagcag
 I A H G Y V E H S Y R Y Q C K N Y K L R T E G D G V Y T L N N E K Q
 wgataaataaggctgttgagataaaacttcctgaatgtgaagcagtagctgggaagcccaagaatccgcaaacccagctgcagAGATCC
 W I N K A V G D K L P E C E A V G G K P K N P A N P V Q R S
 gatgaacccccccagaccctggatcagtgaaagcactggccactgtgtactgtgatgtgctcaagacagcggcagagac
 D E P Q S P W D R V K D L A T V Y V D V L K D S G R D
 tatgtgccagtttgaggctccgcttggaacacagctaaactaaagctctctgacaaactggacagctgacctccaactcgaacactcgaagaactg
 Y V S Q F E G S A L G K K Q L N L K L D N W D S V T S T F S K L
 cgcgaacagctcggccctgtgacccaggagttcttgggataaacttgaaaaggagacagaggccctaggcaggagatgagcaaggatcttggaggag
 R E Q L G P V T E F W D N L E K E T E G L R Q E M S K D L E E
 gtgaaggccaaggtgcagccctactctgagcagactccagaagaagtggcaggagagatgagctctaccgccagaaggttgagccgtgcgcgca
 V K A K V Q P Y L D D F Q K K W Q E E M E L Y R Q K V E P L R A
 gactcccaagagggcgcgcgcgaagctgcacgagctgcagaagaagctgagcccaactggcagggagatgcgcagccgcgcgcgcgcctgtg
 E L Q E G A R Q K L H E L Q E K L S P L G E M R D R A R A H V
 gacgcgtgcgcacgcatctgcccctacagcagcagactgcgcgcagctggccagcttgccgcgccttgagctctcaaggagaacgcgcgccagga
 D A L R T H L A P Y S D E L R Q L A R L A R L A K E N G G A R
 ctgpcgagtagtaccacgaagggccaccgagcatctgacacgtcagcgaagcccaagccgcgtcagagcctccgccaaagcctgctgccc
 L A E Y H A K A T E H L S T L S E K A K P A L E D L R Q G L P
 gtgtggagagctcaaggtcagcttctcgtgagcgtctcgtgaggagtagacataagaagctcaacaccacagTAATATAGCTTGAAATTCGATCCGCTGCTAA
 V L E S F K V S F L S A L E E Y T K K L N T Q STOP HindIII EcoRI
 CAAAGCCCGAAAGGAGCTGATGTGGCTGCTGCACCGCTGAGCTGAGCAATAACTAGCATATACCCCTTGCCCAACGCTGTGGGGCTCTTAACCGGCTCTTGGAGGG
 TTTTTCCTGAAAGGAGCACTATATCCGAT - (EcoRV) - pBR328.

Fig. 11

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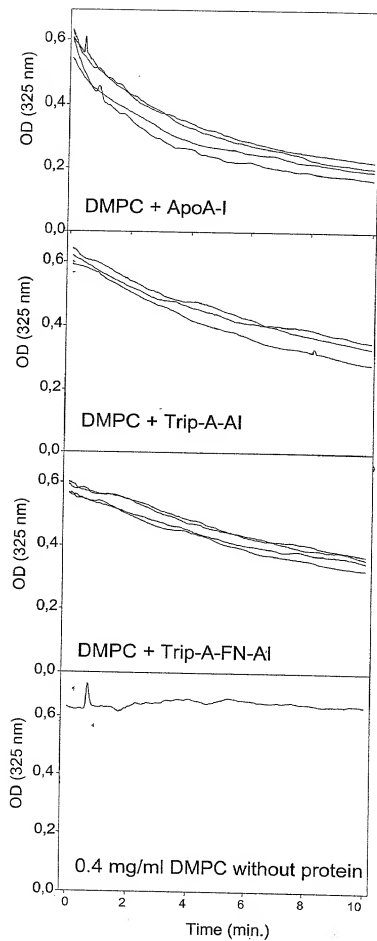


Fig. 12

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Binding of apo A-I and Trip-A-AI to immobilised cubilin

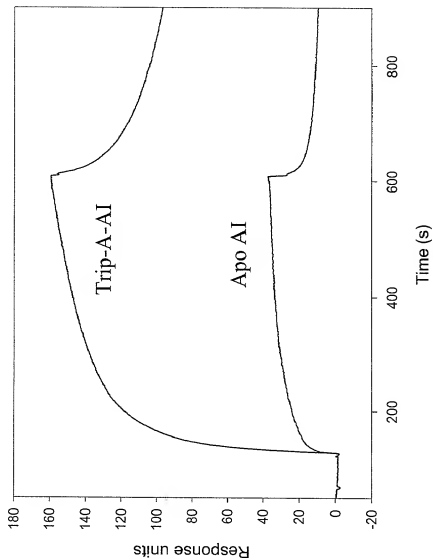


Fig. 13

Superdex 200 analysis of apolipoprotein A-I derivatives

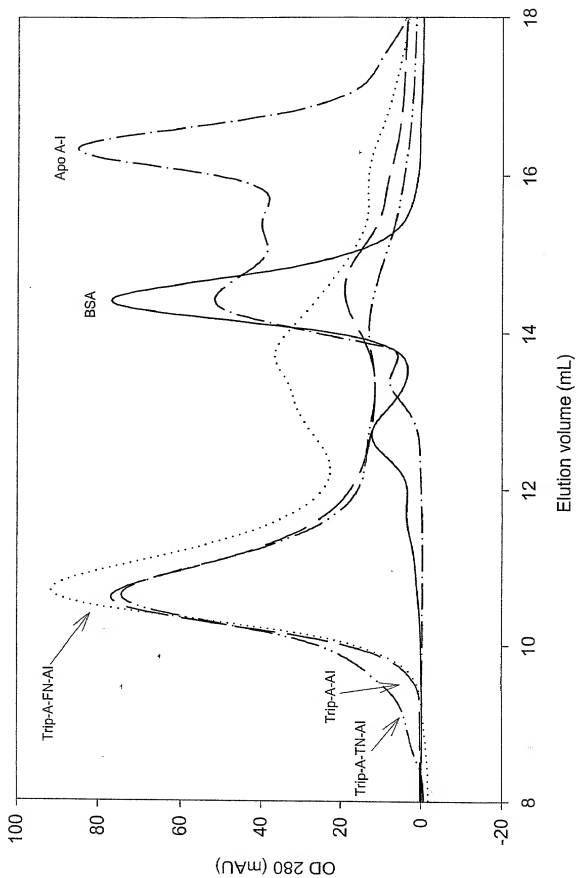


Fig. 14

Comparison of the plasma concentration of
Trip-A-A-I and Apo A-I over a 2 days period after
injection of 1 mg, mean of five mice

